



**EXPLANATION**

**SEDIMENTARY ROCKS**

Quaternary  
 Unconsolidated silt, sand, gravel, rubble, and morainal material (Fluvial, lacustrine, residual, and glacial deposits)

Tertiary  
 Upper Cretaceous and Eocene  
 Sandstone, shale, grit, and conglomerate, with some slate and quartzite

Mesozoic  
 Middle (?) Devonian  
 Chert, argillite, and some interbedded rhyolitic tuff

Devonian  
 Limestone, slate, shale, and fine-grained arkose

Early Paleozoic  
 Undifferentiated crystalline limestone

Paleozoic and Paleogene  
 Undifferentiated metamorphic rocks (Schiefer, limestone, slate, phyllite, quartzite, chert, and gneiss)

**IGNEOUS ROCKS**

Late Eocene or post-Eocene  
 Oligoclase-quartz diorite, soda granite, oligoclase dacite, and soda rhyolite (Dikes and small intrusive bodies)

Undifferentiated intrusive and extrusive rocks

Pyroxene diorite, gabbro, diabase, and pyroxenite, with some pyroxene andesite and basalt (Mainly intrusive rocks)

Pyroxene andesite and basalt (Flows and associated tuffs, with some interbedded sandstone and shale)

Mesozoic  
 Granite

Soda rhyolite and oligoclase dacite (Flows and associated tuffs)

Late Paleozoic  
 Greenstone, metamorphosed lavas, tuffs, and intrusive rocks, with some interbedded sediments, chiefly chert

**MINERAL LOCALITIES**

Gold placer

Antimony-quick-silver lode

Silver-lead lode

Coal

Fossil locality

Alfred H. Brooks, Chief Alaskan Geologist  
 R. H. Sargent, Topographic Engineer in charge  
 Topography by C. E. Giffa, R. H. Sargent,  
 H. M. Eslin, and C. G. Anderson  
 Additional data from surveys by Alaska Road  
 Commission  
 Surveyed in 1910, 1913, and 1915

**GEOLOGIC MAP OF RUBY DISTRICT, ALASKA**



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 Surveyed in 1908, 1910, 1912, and 1915